

SEQUENCE LISTING

<110> Philip E.Branton et al.

<120> Adenovirus E4 Proteins For Inducing Cell
Death

<130> 50013/002003

<140> 09/214,478

<141> 1997-07-03

<150> 60/021,273

<151> 1996-07-05

<150> 60/028,740

<151> 1996-10-22

<150> IB97/01041

<151> 1997-07-03

<160> 4

<170> FastSEQ for Windows Version 4.0

<210> 1

<211> 885

<212> DNA

<213> Adenovirus

<400> 1

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atactggagg atcatccgct gctgcccga tgaacactt tgacaatgca caacgtgagt	180
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gctctccact gtcattgttc cagtcccggt tccctgcagt gtatagccgg cgggcagggt	420
ttggccagct gggttaggat ggtggtggat ggcgccatgt ttaatcagag gtttatatgg	480
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aggacaaggc gccttatgct gcgggcggtg cgaatcatcg ctgaggagac cactgccatg	780
ttgtattcct gcaggacgga gcggcgcggt cagcagttta ttcgcgcgct gctgcagcac	840
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<210> 2

<211> 294

<212> PRT



<213> Adenovirus

<400> 2

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Ser Arg Leu Ser Arg Arg Thr Pro Tyr Ser Arg Asp Arg Leu Pro Pro
20 25 30
Phe Glu Thr Glu Thr Arg Ala Thr Ile Leu Glu Asp His Pro Leu Leu
35 40 45
Pro Glu Cys Asn Thr Leu Thr Met His Asn Val Ser Tyr Val Arg Gly
50 55 60
Leu Pro Cys Ser Val Gly Phe Thr Leu Ile Gln Glu Trp Val Val Pro
65 70 75 80
Trp Asp Met Val Leu Thr Arg Glu Glu Leu Val Ile Leu Arg Lys Cys
85 90 95
Met His Val Cys Leu Cys Cys Ala Asn Ile Asp Ile Met Thr Ser Met
100 105 110
Met Ile His Gly Tyr Glu Ser Trp Ala Leu His Cys His Cys Ser Ser
115 120 125
Pro Gly Ser Leu Gln Cys Ile Ala Gly Gly Gln Val Leu Ala Ser Trp
130 135 140
Phe Arg Met Val Val Asp Gly Ala Met Phe Asn Gln Arg Phe Ile Trp
145 150 155 160
Tyr Arg Glu Val Val Asn Tyr Asn Met Pro Lys Glu Val Met Phe Met
165 170 175
Ser Ser Val Phe Met Arg Gly Arg His Leu Ile Tyr Leu Arg Leu Trp
180 185 190
Tyr Asp Gly His Val Gly Ser Val Val Pro Ala Met Ser Phe Gly Tyr
195 200 205
Ser Ala Leu His Cys Gly Ile Leu Asn Asn Ile Val Val Leu Cys Cys
210 215 220
Ser Tyr Cys Ala Asp Leu Ser Glu Ile Arg Val Arg Cys Cys Ala Arg
225 230 235 240
Arg Thr Arg Arg Leu Met Leu Arg Ala Val Arg Ile Ile Ala Glu Glu
245 250 255
Thr Thr Ala Met Leu Tyr Ser Cys Arg Thr Glu Arg Arg Arg Gln Gln
260 265 270
Phe Ile Arg Ala Leu Leu Gln His His Arg Pro Ile Leu Met His Asp
275 280 285
Tyr Asp Ser Thr Pro Met
290

<210> 3

<211> 345

<212> DNA

<213> Adenovirus

<400> 3

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gtttacatag	aaccgaagc	cagggggcgc	ctggtatgctt	tgagagagtg	gatatactac	180

aactactaca cagagcgatc taagcggcga gaccggagac gcagatctgt ttgtcacgcc 240
 cgcacctggt tttgcttcag gaaatatgac tacgtccggc gttccatttg gcatgacact 300
 acgaccaaca cgatctcggt tgtctcggcg cactccgtac agtag 345

<210> 4
 <211> 114
 <212> PRT
 <213> Adenovirus

<400> 4
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 Glu Cys Val Gly Trp Leu Gly Val Ala Tyr Ser Ala Val Val Asp Val
 20 25 30
 Ile Arg Ala Ala Ala His Glu Gly Val Tyr Ile Glu Pro Glu Ala Arg
 35 40 45
 Gly Arg Leu Asp Ala Leu Arg Glu Trp Ile Tyr Tyr Asn Tyr Tyr Thr
 50 55 60
 Glu Arg Ser Lys Arg Arg Asp Arg Arg Arg Arg Ser Val Cys His Ala
 65 70 75 80
 Arg Thr Trp Phe Cys Phe Arg Lys Tyr Asp Tyr Val Arg Arg Ser Ile
 85 90 95
 Trp His Asp Thr Thr Thr Asn Thr Ile Ser Val Val Ser Ala His Ser
 100 105 110
 Val Gln